

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended)). Connector for fluids with automatic locking for connecting the Luer cones of two pieces of equipment for medical use, constituted of a tubular male socket~~-(1)-~~ having an adaptation tip~~-(1a)-~~ at one end-piece and a tip to be fitted~~-(1b)-~~ of external conical shape, and a tubular female socket having an adaptation tip~~-(4a)-~~ at one end-piece and a reception tip~~-(4b)-~~ of internal conical shape able to receive said fitting tip of the male connection with lateral seal, and the connector comprising a locking collar~~-(7)-~~ to be mounted on the two sockets, characterised in that said collar has lateral ports~~-(8)-~~ able to be crossed by external lateral lugs~~-(3)-~~ of the male socket for blocking the collar axially and in rotation on the male socket, and that said collar has a transversally deformable part~~-(7e)-~~ equipped with internal notches~~-(10)-~~, shaped so that the external notches~~-(6)-~~ of the collar can pass over the notches of the female socket when the collar is pushed in a direction towards the socket and be held by the notches of the female socket when there is traction in the reverse direction, and the notches of the collar and of the female socket being shaped so as to allow relative rotation of the female socket and the collar, said notches of the collar being able to be

separated laterally from the notches of the female socket by transversal deformation of the part of the collar carrying the notches.

2 (currently amended)). Connector according to claim 1 wherein said collar comprises two sets of notches—(10) diametrically opposite each other and two zones—(11) at 90° relative to the notches able to be pushed radially to deform the collar transversally in order to separate the two series of notches from each other in order to allow separation of the collar and the female socket from the connector.

3 (currently amended). Connector according to ~~either one of claims claim 1 and or 2~~ wherein the notches—(6, 10) of the collar and the female socket have a slight inclination—(6a, 10a) to facilitate and automate the locking by axial thrust and a steep slope—(6b, 10b) to prevent unlocking, the locking being ensured by the contact between the steep inclinations of the notches of the collar on the steep inclinations of the notches of the female socket.

4 (currently amended). Connector according to ~~any one of claims claim 1 to 3 or 2~~ wherein the notches—(6) of the female socket are grooves or portions of circular grooves.

5 (currently amended). Connector according to ~~any one of claims claim 1 to 4~~ wherein the male socket—(1) has its adaptation tip—(1a) designed to receive a male Luer—(LM) by fitting.

6 (currently amended). Connector according to ~~any one of claims claim 1 to 4 or 5~~ wherein the female socket—(4) has its adaptation tip—(4a) designed internally with a male Luer—(LM) able to be fit into a female Luer—(LF).

7 (currently amended). Connector according to ~~any one of claims claim 1 to 4~~ wherein at least one and/or the other of the

adaptation tips are ~~is~~ designed to be connected to a cylindrical tube.

8 (currently amended). Application of a connector according to ~~any one of claims~~ claim 1 to or 7-2 for connection of a syringe ~~or a needle or catheter hub~~.

9 (currently amended). Application of a connector according to ~~any one of claims~~ claim 1 to 7 or 2 for connection of a tube.

10 (currently amended). Medical equipment having a connection tip constituted by the male or female socket of a connector such as defined in ~~any one of claims~~ claim 1 to 7 or 2.

11 (new). Application of a connector according to claim 1 or 2 for connection of a needle.

12 (new). Application of a connector according to claim 1 or 2 for connection of a catheter hub.